

Name: \_\_\_\_\_

**pb1106: Factoring when  $a = \text{prime}$  (v4)**

1. Factor the expression  $5x^2 - 18x + 16$

$$(5x - 8)(x - 2)$$

2. Factor the expression  $2x^2 - 15x + 25$

$$(2x - 5)(x - 5)$$

3. Factor the expression  $3x^2 + 11x + 10$

$$(3x + 5)(x + 2)$$

4. Factor the expression  $5x^2 + 11x + 6$

$$(5x + 6)(x + 1)$$

5. Factor the expression  $3x^2 + 8x - 35$

$$(3x - 7)(x + 5)$$

6. Factor the expression  $7x^2 + 20x - 32$

$$(7x - 8)(x + 4)$$

7. Factor the expression  $5x^2 - 12x + 4$

$$(5x - 2)(x - 2)$$

8. Factor the expression  $7x^2 - 23x + 6$

$$(7x - 2)(x - 3)$$

9. Factor the expression  $5x^2 - 28x + 32$

$$(5x - 8)(x - 4)$$

10. Factor the expression  $3x^2 - 13x + 14$

$$(3x - 7)(x - 2)$$